

Section 1. Registration Information

Source Identification

Facility Name:	Cactus Park
Parent Company #1 Name:	City of Scottsdale, Scottsdale, Arizona
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	
Receipt Date:	17-Feb-2011
Postmark Date:	17-Feb-2011
Next Due Date:	17-Feb-2016
Completeness Check Date:	17-Feb-2011
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0005 8652
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	
Parent Company #1 DUNS:	74465238
Parent Company #2 DUNS:	74465238

Facility Location Address

Street 1:	7202 East Cactus Road
Street 2:	
City:	Scottsdale
State:	ARIZONA
ZIP:	85260
ZIP4:	
County:	MARICOPA

Facility Latitude and Longitude

Latitude (decimal):	33.597778
Longitude (decimal):	-111.925556
Lat/Long Method:	GPS - Unspecified
Lat/Long Description:	Center of Facility
Horizontal Accuracy Measure:	0.5
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	

Owner or Operator

Operator Name:	City of Scottsdale AZ Parks & Rec
Operator Phone:	(480) 312-1011

Mailing Address

Operator Street 1:	7447 E. Indian School Rd.
Operator Street 2:	OCC300
Operator City:	Scottsdale
Operator State:	ARIZONA
Operator ZIP:	85251
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Jan Cameron
RMP Title of Person or Position:	Parks and Recreation Director
RMP E-mail Address:	jcameron@scottsdaleaz.gov

Emergency Contact

Emergency Contact Name:	Ken Shoup
Emergency Contact Title:	Aquatics Maintenance Coordinator
Emergency Contact Phone:	(480) 258-4751
Emergency Contact 24-Hour Phone:	(602) 471-2798
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	kshoup@scottsdaleaz.gov

Other Points of Contact

Facility or Parent Company E-mail Address:	question@scottsdaleaz.gov
Facility Public Contact Phone:	(480) 312-3111
Facility or Parent Company WWW Homepage Address:	www.scottsdaleaz.gov

Local Emergency Planning Committee

LEPC:	Maricopa County LEPC
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Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	15
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	03-Dec-2009
Last Safety Inspection Performed By an External Agency:	Contracted Independent Safety Review

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Ken Shoup - Aquatics Maintenance Coordinator
Preparer Phone:	(480) 312-4005
Preparer Street 1:	7447 E. Indian School Rd.
Preparer Street 2:	OCC300
Preparer City:	Scottsdale
Preparer State:	ARIZONA
Preparer ZIP:	85251
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.
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Process Chemicals

Process ID:	1000024700
Description:	Pool water chlorination
Process Chemical ID:	1000029453
Program Level:	Program Level 3 process
Chemical Name:	Chlorine
CAS Number:	7782-50-5
Quantity (lbs):	4000
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000024700
Process NAICS ID:	1000025062
Program Level:	Program Level 3 process
NAICS Code:	71399
NAICS Description:	All Other Amusement and Recreation Industries

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000020388

Percent Weight:	99.9
Physical State:	Gas liquified by pressure
Model Used:	Areal Locations of Hazardous Atmospheres [ALOHA(R)]
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Urban

Passive Mitigation Considered

- Dikes:
- Enclosures:
- Berms:
- Drains:
- Sumps:
- Other Type:

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000022056

Percent Weight:	99.9
Physical State:	Gas liquified by pressure
Model Used:	Areal Locations of Hazardous Atmospheres [ALOHA(R)]
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Urban

Passive Mitigation Considered

Dikes:	
Enclosures:	Yes
Berms:	
Drains:	
Sumps:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	
Flares:	
Scrubbers:	
Emergency Shutdown:	
Other Type:	

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

No description available.

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000025098
Chemical Name:	Chlorine
Flammable/Toxic:	Toxic
CAS Number:	7782-50-5

Prevention Program Level 3 ID:	1000021209
NAICS Code:	71399

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	26-Jan-2010
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Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	01-Mar-2010
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The Technique Used

What If: Checklist: What If/Checklist: HAZOP: Failure Mode and Effects Analysis: Fault Tree Analysis: Other Technique Used:	Yes
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	01-Mar-2010

Major Hazards Identified

Toxic Release:	Yes
Fire:	
Explosion:	
Runaway Reaction:	
Polymerization:	
Overpressurization:	
Corrosion:	Yes
Overfilling:	
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	
Floods (Flood Plain):	

Tornado:
Hurricanes:
Other Major Hazard Identified:

Process Controls in Use

Vents:	Yes
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	Yes
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	Yes
Emergency Air Supply:	Yes
Emergency Power:	Yes
Backup Pump:	
Grounding Equipment:	
Inhibitor Addition:	
Rupture Disks:	Yes
Excess Flow Device:	Yes
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	Yes
Dikes:	
Fire Walls:	Yes
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	Yes
Neutralization:	Yes
None:	
Other Mitigation System in Use:	

Monitoring/Detection Systems in Use

Process Area Detectors:	Yes
Perimeter Monitors:	
None:	
Other Monitoring/Detection System in Use:	

Changes Since Last PHA Update

Reduction in Chemical Inventory:
Increase in Chemical Inventory:
Change Process Parameters:
Installation of Process Controls:
Installation of Process Detection Systems:

Installation of Perimeter Monitoring Systems:

Installation of Mitigation Systems:

None Recommended: Yes

None:

Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 06-Dec-2010

Training

Training Revision Date (The date of the most recent review or revision of training programs): 06-Dec-2010

The Type of Training Provided

Classroom: Yes

On the Job: Yes

Other Training:

The Type of Competency Testing Used

Written Tests: Yes

Oral Tests: Yes

Demonstration: Yes

Observation: Yes

Other Type of Competency Testing Used:

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures): 26-Jan-2010

Equipment Inspection Date (The date of the most recent equipment inspection or test): 01-Jan-2008

Equipment Tested (Equipment most recently inspected or tested): cl2 regulators, automatic switchover, cl2 ejector, scrubber

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures): 01-Oct-1999

Change Management Revision Date (The date of the most recent review or revision of management of change procedures): 26-Jan-2010

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review): 01-Oct-1999

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit): 01-Mar-2010

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit): 01-Apr-2010

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans): 26-Jan-2010

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures): 26-Jan-2010

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures): 26-Jan-2010

Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance): 26-Jan-2010

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?): Yes

Facility Plan (Does facility have its own written emergency response plan?): Yes

Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): Yes

Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): Yes

Healthcare (Does facility's ER plan include information on emergency health care?): Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan): 01-Mar-2010

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees): 03-Dec-2007

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated): Scottsdale Fire Department

Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated): (480) 312-0605

Subject to

OSHA Regulations at 29 CFR 1910.38: Yes

OSHA Regulations at 29 CFR 1910.120: Yes

Clean Water Regulations at 40 CFR 112: Yes

RCRA Regulations at CFR 264, 265, and 279.52: Yes

OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:

State EPCRA Rules or Laws: Yes

Other (Specify):

Executive Summary

2.1 APPLICATION

This plan applies only to processes in a stationary source operated by the City of Scottsdale (City) Aquatics and Fountain Department (Aquatics) with more than a threshold quantity of a regulated substance as defined in the EPA RPM Standard. The only chemical currently at Aquatics that meets this definition is chlorine (Cl₂). Table 2.1.1 (below) lists the stationary sources to which this plan currently applies. The process at each identified stationary source is the treatment of swimming pool water using chlorine gas fed from a ton container.

TABLE 2.1.1
Covered Processes

STATIONARY SOURCE ADDRESS	Max Cl ₂
Lbs.	
McDowell Mountain Ranch Aquatic Center 15525 N. Thompson Peak Pkwy, Scottsdale, AZ 85260	8,000
Cactus Aquatic Center 7202 E. Cactus Road, Scottsdale, AZ 85260	4,000

2.2 POLICY STATEMENT

The goals of this Risk Management Plan (RMP) are to:

• Prevent accidental releases of a regulated substance; and

• Protect public health and the environment through proper emergency response in the event of a catastrophic release.

All City managers are committed to these goals. This plan has the full approval of management with the authority to commit the necessary resources to implement it in accordance with the requirements of the RPM Standard and the policies of the City. The City will provide all funds, manpower, equipment and materials necessary to fully implement this plan.

Each employee has a vested interest in providing for and assisting with the development and implementation of work practices to protect employee health, welfare and the environment. All employees are responsible and accountable for safety performance including the responsibility to work safely at all times.

All City personnel have the authority and the obligation to cease any operation that could cause a catastrophic release or an unsafe emergency response. No operation or work will be started unless it can be performed safely. Supervisory personnel have the responsibility of directing work in the safest manner possible.

In addition, all City employees are expected to extend the City's concepts and principles to the surrounding community, distributors, suppliers, contractors and residents.

2.3 ACCIDENTAL RELEASE PREVENTION

The inventory of regulated substances at each stationary source is maintained at the minimum level necessary for operational needs.

All spare parts and replacement parts for critical equipment shall meet or exceed the requirements specified for the original parts. All orders for these spare parts and replacement parts must be approved by the responsible manager prior to purchase.

All of the processes covered in this plan are also subject to the OSHA PSM standard and therefore to the "Program 3" requirements of the EPA RPM Standard and this plan. All of the prevention requirements of §§68.65 through 68.87 have been implemented and are fully described in Section 5.0 of this plan.

2.4 EMERGENCY RESPONSE

The City of Scottsdale has a fully developed and implemented emergency response program for the purpose of protecting public health and the environment. The program, which is described further in Section 6.0 of this plan, includes:

1. An emergency response plan that is maintained at each stationary source and contains at least: procedures for informing the public and local emergency response agencies about accidental releases; documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures; and procedures and measures for emergency response after an accidental release of a regulated substance;
2. Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance;
3. Training for all employees in relevant procedures; and
4. Procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes.

The emergency response plan has been coordinated with the community emergency response plan developed under 42 U.S.C. 11003. Upon request of the Maricopa County LEPC or the Arizona Emergency Response Commission of the ADEQ Emergency Response Unit emergency response officials, the City shall promptly provide them the necessary information for developing and implementing the community emergency response plan.

2.5 FIVE YEAR ACCIDENT HISTORY

In the entire operational existence of the covered processes in this plan, no accidental release has ever occurred that was required by Å§ 68.42 of the RMP Standard to be included in any five year accident history.